

A METHOD FOR PREVENTING HIV-1 INFECTION OF CD4⁺ CELLS**Abstract of the Disclosure**

5 This invention provides methods for inhibiting fusion of
HIV-1 to CD4⁺ cells which comprise contacting CD4⁺ cells with
a non-chemokine agent capable of binding to a chemokine
receptor in an amount and under conditions such that fusion
of HIV-1 to the CD4⁺ cells is inhibited. This invention also
10 provides methods for inhibiting HIV-1 infection of CD4⁺
cells which comprise contacting CD4⁺ cells with a non-
chemokine agent capable of binding to a chemokine receptor
in an amount and under conditions such that fusion of HIV-1
to the CD4⁺ cells is inhibited, thereby inhibiting the HIV-1
15 infection. This invention provides non-chemokine agents
capable of binding to the chemokine receptor and inhibiting
fusion of HIV-1 to CD4⁺ cells. This invention also provides
pharmaceutical compositions comprising an amount of the non-
chemokine agent capable of binding to the chemokine receptor
20 and inhibiting fusion of HIV-1 to CD4⁺ cells effective to
prevent fusion of HIV-1 to CD4⁺ cells and a pharmaceutically
acceptable carrier.